NSWC REPEAT CLASSIC OVERVIEW BRIEF 2003

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REPEAT FUNCTIONS

- RECORDING & REPLAYING
  - RECORD/REPLAY OPERATIONAL/EXERCISE DATA
- DATA REDUCTION AND DATA BASES
  - PREPARING DATA FOR ANALYSIS
  - CONVERSION OF DATA BETWEEN FORMATS
- ANALYSIS AND EVALUATION
  - SUPPORT TESTING/ EXERCISE ANALYSIS

REPEAT PROGRAM

PASSIVE RECORDING

- MULTIPLE LINES OF ASYNCHRONOUS AND SPECIAL SYNCHRONOUS DATA
- DATA TIME TAGGED CONTINUOUSLY
- RECORDS BOTH DATA LINKS AND FORMATTED MESSAGES

RECORDING HISTORY

- AIR
  - P3,E3,S3, ARMY BLACKHAWK, B52
- SURFACE
  - CARRIER,CRUISERS,DESTROYERS, AMPHIBIOUS, AUSCANNZUKUS
- SUBSURFACE
  - SSN ATTACK
- HEADQUARTERS
  - CINC, FLEET, AIR FORCE, ARMY

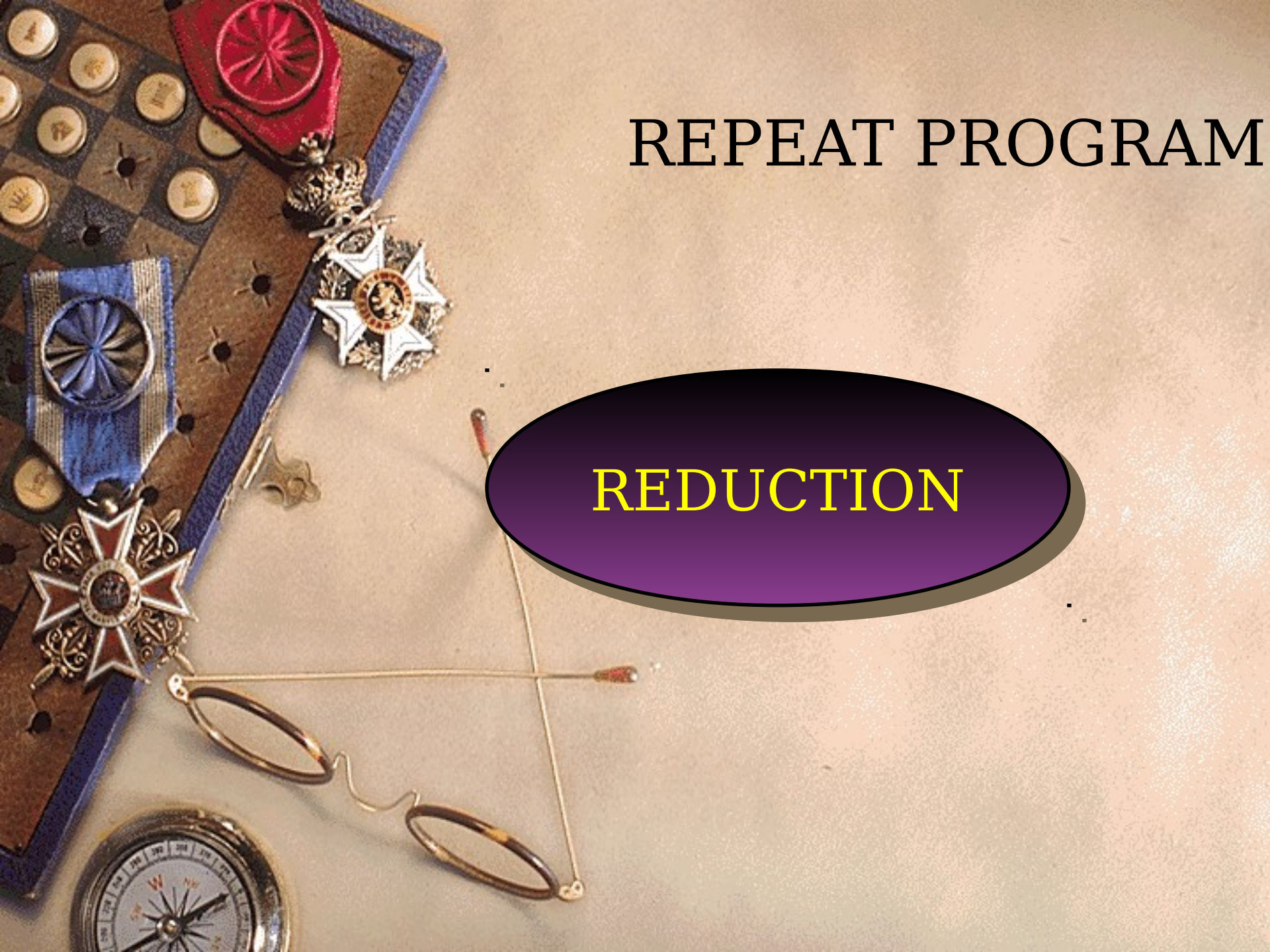
REPLAY STIMULATION

- RE-CREATION OF PREVIOUSLY RECORDED EVENTS
  - REPLAY FUNCTIONS OF XR PROGRAM
- INJECTION OF SYNTHETIC DATA TO C^4 PROCESSORS
  - OPERATOR SELECTABLE SPEED AND PACE
- CAN CONTROL DATA FLOW IN REPLAY MODE
  - SUPPORTS CONTROLLED TESTING

EMULATION STIMULATION

- TDP EMULATOR
  - EMULATES GCCS/TWCS TALKING WITH A V6 COMMUNICATION PROCESSOR INCLUDING PROPER BINARY PROTOCOL
- V6 EMULATOR
  - EMULATES THE V6

REPEAT PROGRAM



DATA REDUCTION

- AUTOMATED DATA REDUCTION PROGRAMS
- ON-SCREEN EDITOR AND PROGRAMS TO PARSE DATA
- CONVERSION OF C^4 (OTCIXS) PROCESSOR PROTOCOL TO SUPPORT ANALYSIS
- TACTICAL DATA LINK A DECODED TO DATABASE FORMATS

REDUCTION PROGRAMS

- UNTDF/MAKETDF
  - REMOVES/ADDS REPEAT TIME STAMPS
  - CONVERTS FILE BETWEEN TEXT/TDF FORMATS
- MAKERDB
  - CONVERTS FILES TO REPEAT DB FORMAT (RDB)

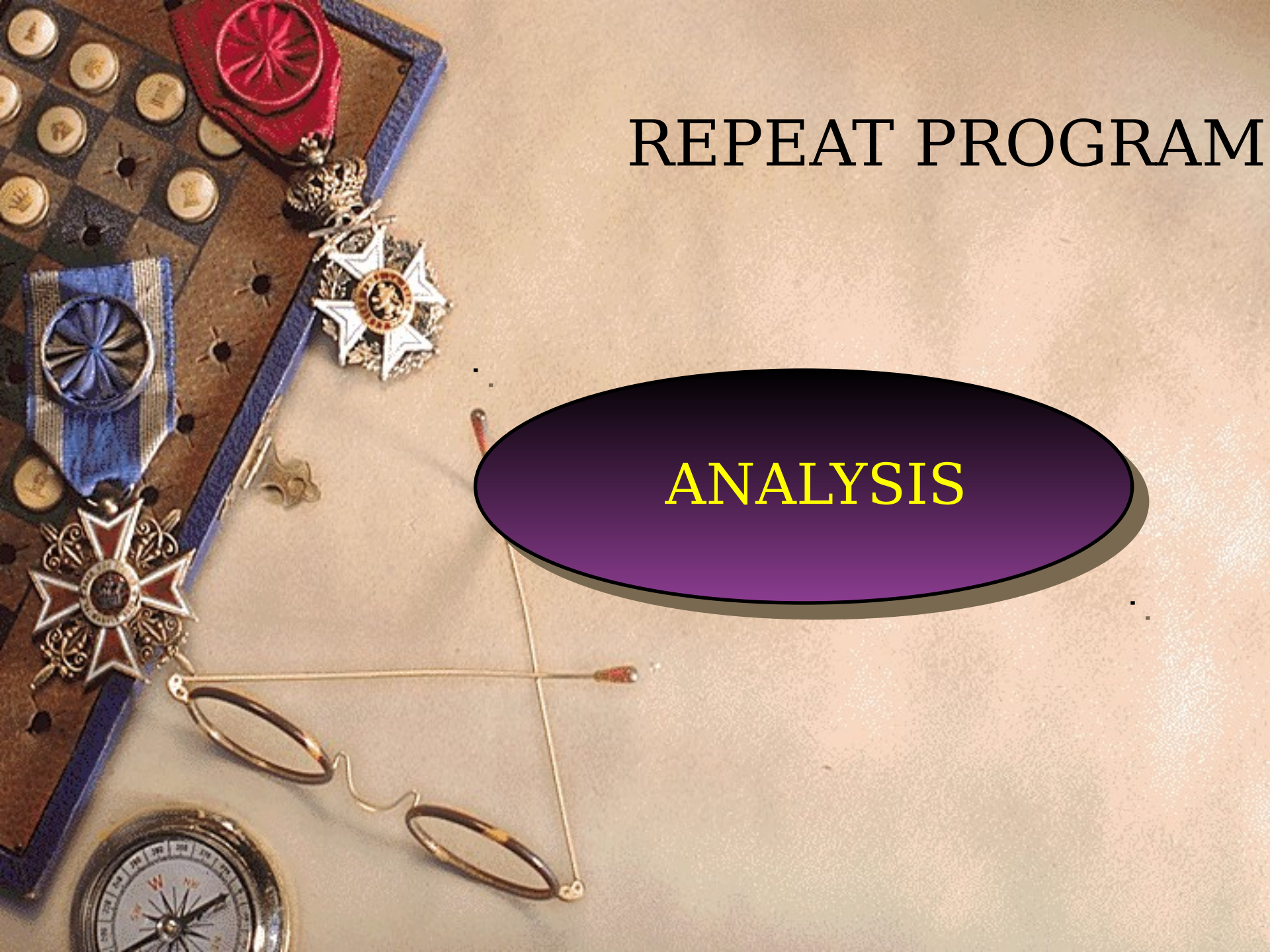
REPEAT DATA BASE (RDB) FILES PARSED

- PRIMARY
  - OTH-G
  - JUNIT
  - TADIL A
  - TACELINT
  - TRE TABULAR
  - CIX
- SECONDARY
  - TACREP
  - TADIL J
  - LINK 14
  - TRE BINARY
  - LOCATOR
  - SENSOREP

REPEAT EDITOR

- NORMAL EDIT FUNCTIONS
  - SEARCH AND REPLACE, DELETE, FILE
- MULTIPLE STRING SEARCHES
  - UP TO 32 SIMULTANEOUS SEARCHES
- BOOLEAN SEARCHES
  - BASED ON DESIGNED SEARCHES
- ADJUSTMENT OF DTG’S AND POSITIONS
  - BASICALLY CREATING NEW MESSAGE SET
- PREPARATIONS FOR EMULATIONS

REPEAT PROGRAM



ANALYSIS REQUIREMENT

- OPERATOR ORIENTED PROGRAMS FOR PREPARATIONS OF GRAPHS, TABLES AND GEOGRAPHIC PRESENTATIONS
  - TIMELINESS,COMPLETENESS
  - SYSTEM LOADING AND CIRCUIT UTILIZATION
  - POSITIONAL ACCURACY VS GROUND TRUTH
  - GEOGRAPHICAL SITUATION DISPLAYS

KEY ANALYSIS PROGRAMS

- PICTURE
  - GRAPHIC SNAPSHOTS OF REPEAT DATA BASE
    - TABULAR WORKS IN WINDOWS 98, 2000
    - GRAPHICS MOST LIKELY WILL NOT WORK IN WINDOWS
- NATE
  - GRAPHIC SNAPSHOT OF LINK 11 DATA
    - TABULAR DISPLAY WORKS IN WINDOWS 98, 2000
    - GRAPHICS MOST LIKELY WILL NOT WORK IN WINDOWS
- VIEW REPEAT DATA BASE
  - ACCESS TYPE DATA BASE

OTHER ANALYSIS PROGRAMS

- MESSAGE COMPARE
  - COMPARES MESSAGE TRANSFER
- CONTACT COMPARE
  - COMPARES TRACK DATA TRANSFER
- REPORT
  - STATISTICS ON SINGLE DATA BASE
- HISTORY
  - STATISTICS ON TRACK UPDATES
- MESSAGE ANALYSIS
  - QUICK STATISTICS AND BAR GRAPHS ON MESSAGES RECEIVED